

Amendments to the Claims

1. (Currently Amended) A method for the precise reporting of errors in
2 a flow of successive messages, the method comprising:
detecting a transmission error in a message in the flow; ~~and~~
4 setting a deferred error flag in a state for the flow;
saving a sequence number in the state for the flow, for the message having
6 the transmission error; and
processing the transmission error upon receiving an acknowledgement
8 pertinent to an immediately preceding message.

2. Cancelled

3. Cancelled

4. (Currently Amended) The method of claim 4 [[3]], wherein processing
2 the transmission error upon receiving an acknowledgement pertinent to an
immediately preceding message comprises reporting the transmission error.

5. (Currently Amended) The method of claim 4 [[3]], wherein processing
2 the transmission error upon receiving an acknowledgement pertinent to an
immediately preceding message comprises reporting the immediately preceding
4 message as a remote error.

6. (Original) The method of claim 4, wherein the acknowledgement is
2 positive.

7. (Original) The method of claim 5, wherein the acknowledgement is
2 negative.

8. (Currently Amended) A state machine for tracking the status of a flow
2 of successive messages from a requestor, comprising:
a deferred error flag; and
4 a deferred error sequence number;
wherein when the requester detects a transmission error in a message:
6 the deferred error flag is set; and
the deferred error sequence number is saved; and
8 wherein the deferred error flag is cleared when the requester receives a
positive acknowledgement for a preceding message.
9. Cancelled
10. Cancelled
11. (Currently Amended) A method for the precise reporting of errors in
2 a flow, the flow including a first message and a second message, each message
including at least one packet, the method comprising:
4 transmitting the first message;
detecting a transmission error in the second message;
6 deferring the reporting of the transmission error in the second
message[[,]]; and
8 processing the transmission error in the second message upon receiving an
acknowledgement pertinent to the first message;
10 wherein[[,]] the deferring includes writing a record of the transmission
error in the second message to a state saved for the flow.
12. Cancelled

13. (Currently Amended) The method of claim 11 ~~12~~, wherein writing a
2 record of the transmission error in the second message to a state saved for the
flow comprises:
- 4 saving a sequence number of the packet in the state; and
setting a deferred error flag in the state.
14. (Currently Amended) The method of claim 11 ~~12~~, wherein processing
2 the transmission error in the second message upon receiving an
acknowledgement pertinent to the first message comprises reporting the
4 transmission error.
15. (Currently Amended) The method of claim 11 ~~12~~, wherein processing
2 the transmission error in the second message upon receiving an
acknowledgement pertinent to the first message comprises reporting the first
4 message as a remote error.
16. (Original) The method of claim 14, wherein the acknowledgement is
2 positive.
17. (Original) The method of claim 15, wherein the acknowledgement is
2 negative.
18. (Original) A method for reporting errors in a flow of successive
2 messages comprising:
- 4 detecting a transmission error in a message in the flow;
deferring reporting of the transmission error; and
reporting the transmission error upon receiving a positive
6 acknowledgement that completes a message in the flow that immediately
precedes the message having the transmission error.

19. (Original) The method of claim 18, wherein deferring reporting of the
2 transmission error comprises:
saving a sequence number for the message causing the transmission error
4 in a state; and
setting a deferred error flag in the state.

20. (New) The state machine of claim 8, wherein if a retransmission
2 acknowledgement is received, the deferred error flag remains set during
retransmission.

21. (New) The state machine of claim 8, wherein if a negative
2 acknowledgement is received, the transmission error is ignored.